



18" MIN. WIDTH RUBBERIZED MEMBRANE WATERPROOFING UP WALLS & ACROSS TOP SLAB

#### DESIGN DATA

LIVE LOAD: HS 20  
 \*\*EARTH LOAD: DESIGNED FOR FEET OF FILL  
 ALLOWABLE DESIGN STRESSES:  
 CONCRETE MASONRY GRADE A-FA  $f'_c = 3.5$  K.S.I.  
 BAR STEEL REINFORCEMENT  $f_y = 60$  K.S.I.

\*\*FIGURE TO BE TO THE NEAREST 0.5 FEET ON FILLS UNDER 4 FEET AND TO THE NEAREST FOOT ON FILLS OVER 4 FEET

#### BOX CULVERT LAYOUT

STATE OF WISCONSIN  
 DEPARTMENT OF TRANSPORTATION  
 STRUCTURES DEVELOPMENT SECTION

APPROVED: \_\_\_\_\_

DATE:  
1-02